

Amendments to the Claims:

Following is a complete listing of the claims pending in the application, as amended:

1. (Currently amended) An appliance integrated biometric security system comprising:

an electronic appliance; and

an integrated biometric security system formed in a single integrated circuit die and

including a CMOS image sensor, a signal processor, and non-volatile memory.

2. (Original) An appliance integrated biometric security system as defined in claim 1 wherein the signal processor is selected from the group consisting of: a microprocessor; and a digital signal processor.

3. (Original) An appliance integrated biometric security system as defined in claim 1 wherein the non-volatile memory is a programmable read only memory.

4. (Original) An appliance integrated biometric security system as defined in claim 1 wherein the electronic appliance is selected from the group consisting of: a cell-phone; a pager; a personal-digital-assistant; a laptop computer; and a digital camera.

5. (Original) An appliance integrated biometric security system as defined in claim 1 wherein the non-volatile memory is selected from the group consisting of: electrically erasable programmable read only memory; flash memory; and programmable read only memory.

6. (Original) An appliance integrated biometric security system as defined in claim 1 further including an input/output section for programming the non-volatile memory and for communicating with the electronic appliance.

7. (Original) An appliance integrated biometric security system as defined in claim 1 wherein the non-volatile memory is used to store a template that identifies an individual authorized to access the electronic appliance.

8. (Original) An appliance integrated biometric security system as defined in claim 1 wherein the non-volatile memory is used to store a plurality of templates, each one of the plurality of templates identifying an individual authorized to access the electronic appliance.

9. (Original) An appliance integrated biometric security system as defined in claim 8 wherein the non-volatile memory stores a pixel defect map.

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Currently amended) An appliance integrated biometric security system comprising:

a portable, personal electronic appliance having functional hardware; and

an integrated biometric security system for authenticating an authorized user of the appliance, said integrated biometric security system formed on a single integrated circuit die and including:

a CMOS image sensor for capturing raw image data of a physiological characteristic of a candidate user;

non-volatile memory for storing a template that identifies the authorized user; and

a microprocessor for extracting a feature set from the raw image data, for comparing the feature set to the template and directing the biometric security system to allow access to the functional hardware of the appliance if the feature set is substantially the same as ~~similar to~~ the template.